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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/535,364

DATE: 10/04/2001
TIME: 17:45:42

Input Set : A:\PTO_VSK.txt
Output Set: N:\CRF3\10042001\I535364.raw

8

3 <110> APPLICANT: Cell Signaling Technology, Inc.
4 COMB, Michael J.
5 TAN, Yi
7 <120> TITLE OF INVENTION: PRODUCTION OF MOTIF-SPECIFIC AND CONTEXT-INDEPENDENT
ANTIBODIES USING
8 PEPTIDE LIBRARIES AS ANTIGENS
10 <130> FILE REFERENCE: CST-138 CIP
12 <140> CURRENT APPLICATION NUMBER: US 09/535,364
13 <141> CURRENT FILING DATE: 2000-03-24
15 <150> PRIOR APPLICATION NUMBER: US 09/148,712
16 <151> PRIOR FILING DATE: 1998-09-04
18 <160> NUMBER OF SEQ ID NOS: 87
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 14
24 <212> TYPE: PRT
25 <213> ORGANISM: Homo sapiens
27 <220> FEATURE:
28 <221> NAME/KEY: MOD_RES
29 <222> LOCATION: (9)..(9)
30 <223> OTHER INFORMATION: PHOSPHORYLATION; threonine at position 9 is phosphorylated
33 <400> SEQUENCE: 1
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36 1 5 10
39 <210> SEQ ID NO: 2
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41 <212> TYPE: PRT
42 <213> ORGANISM: Homo sapiens
44 <220> FEATURE:
45 <221> NAME/KEY: MOD_RES
46 <222> LOCATION: (5)..(5)
47 <223> OTHER INFORMATION: PHOSPHORYLATION; threonine at position 5 is phosphorylated
50 <400> SEQUENCE: 2
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53 1 5 10
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 15
58 <212> TYPE: PRT
59 <213> ORGANISM: Homo sapiens
61 <220> FEATURE:
62 <221> NAME/KEY: MOD_RES
63 <222> LOCATION: (8)..(8)
64 <223> OTHER INFORMATION: PHOSPHORYLATION; threonine at position 8 is phosphorylated
67 <400> SEQUENCE: 3
69 Asp Thr Gln Ile Lys Arg Asn Thr Phe Val Gly Thr Pro Phe Cys
70 1 5 10 15
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 10

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p.5

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75 <212> TYPE: PRT
76 <213> ORGANISM: Homo sapiens
78 <220> FEATURE:
79 <221> NAME/KEY: MOD_RES
80 <222> LOCATION: (5)..(5)
81 <223> OTHER INFORMATION: PHOSPHORYLATION; threonine at position 5 is phosphorylated
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87 1 5 10
90 <210> SEQ ID NO: 5
91 <211> LENGTH: 10
92 <212> TYPE: PRT
93 <213> ORGANISM: Homo sapiens
95 <220> FEATURE:
96 <221> NAME/KEY: MOD_RES
97 <222> LOCATION: (7)..(7)
98 <223> OTHER INFORMATION: PHOSPHORYLATION; threonine at position 7 is phosphorylated
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103 His Gln Val Leu Met Lys Thr Val Cys Gly
104 1 5 10
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 14
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112 <220> FEATURE:
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114 <222> LOCATION: (7)..(7)
115 <223> OTHER INFORMATION: PHOSPHORYLATION; threonine at position 7 is phosphorylated
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121 1 5 10
124 <210> SEQ ID NO: 7
125 <211> LENGTH: 15
126 <212> TYPE: PRT
127 <213> ORGANISM: Homo sapiens
129 <220> FEATURE:
130 <221> NAME/KEY: MOD_RES
131 <222> LOCATION: (8)..(8)
132 <223> OTHER INFORMATION: PHOSPHORYLATION; threonine at position 8 is phosphorylated
135 <400> SEQUENCE: 7
137 Gly Val Pro Val Arg Thr Tyr Thr His Glu Val Val Thr Leu Cys
138 1 5 10 15
141 <210> SEQ ID NO: 8
142 <211> LENGTH: 15
143 <212> TYPE: PRT
144 <213> ORGANISM: Homo sapiens
146 <220> FEATURE:
147 <221> NAME/KEY: MOD_RES
148 <222> LOCATION: (8)..(8)

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149 <223> OTHER INFORMATION: PHOSPHORYLATION; threonine at position 8 is phosphorylated
152 <400> SEQUENCE: 8
154 Asn Gln Val Phe Leu Gly Phe Thr Tyr Val Ala Pro Lys Lys Cys
155 1 5 10 15
158 <210> SEQ ID NO: 9
159 <211> LENGTH: 14
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163 <220> FEATURE:
164 <221> NAME/KEY: MOD_RES
165 <222> LOCATION: (12)..(12)
166 <223> OTHER INFORMATION: PHOSPHORYLATION; threonine at position 12 is phosphorylated
169 <400> SEQUENCE: 9
171 Lys Glu His Met Met Asp Gly Val Thr Thr Arg Thr Phe Cys
172 1 5 10
175 <210> SEQ ID NO: 10
176 <211> LENGTH: 15
177 <212> TYPE: PRT
178 <213> ORGANISM: Homo sapiens
180 <220> FEATURE:
181 <221> NAME/KEY: MOD_RES
182 <222> LOCATION: (7)..(7)
183 <223> OTHER INFORMATION: PHOSPHORYLATION; threonine at position 7 is phosphorylated
186 <220> FEATURE:
187 <221> NAME/KEY: MOD_RES
188 <222> LOCATION: (9)..(9)
189 <223> OTHER INFORMATION: PHOSPHORYLATION; tyrosine at position 9 is phosphorylated
192 <400> SEQUENCE: 10
194 Asp His Thr Gly Phe Leu Thr Glu Tyr Val Ala Thr Arg Trp Cys
195 1 5 10 15
198 <210> SEQ ID NO: 11
199 <211> LENGTH: 15
200 <212> TYPE: PRT
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203 <220> FEATURE:
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205 <222> LOCATION: (5)..(5)
206 <223> OTHER INFORMATION: PHOSPHORYLATION; threonine at position 5 is phosphorylated
209 <220> FEATURE:
210 <221> NAME/KEY: MOD_RES
211 <222> LOCATION: (9)..(9)
212 <223> OTHER INFORMATION: PHOSPHORYLATION; serine at position 9 is phosphorylated
215 <400> SEQUENCE: 11
217 Glu Leu Leu Pro Thr Pro Pro Leu Ser Pro Ser Arg Arg Ser Cys
218 1 5 10 15
221 <210> SEQ ID NO: 12
222 <211> LENGTH: 17
223 <212> TYPE: PRT
224 <213> ORGANISM: Homo sapiens

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226 <220> FEATURE:
227 <221> NAME/KEY: MOD_RES
228 <222> LOCATION: (10)..(10)
229 <223> OTHER INFORMATION: PHOSPHORYLATION; threonine at position 10 is phosphorylated
232 <220> FEATURE:
233 <221> NAME/KEY: MOD_RES
234 <222> LOCATION: (12)..(12)
235 <223> OTHER INFORMATION: PHOSPHORYLATION; tyrosine at position 12 is phosphorylated
238 <400> SEQUENCE: 12
240 Leu Ala Arg His Thr Asp Asp Glu Met Thr Gly Tyr Val Ala Thr Arg
241 1 5 10 15
244 Cys
248 <210> SEQ ID NO: 13
249 <211> LENGTH: 15
250 <212> TYPE: PRT
251 <213> ORGANISM: Homo sapiens
253 <220> FEATURE:
254 <221> NAME/KEY: MOD_RES
255 <222> LOCATION: (5)..(5)
256 <223> OTHER INFORMATION: PHOSPHORYLATION; threonine at position 5 is phosphorylated
259 <220> FEATURE:
260 <221> NAME/KEY: MOD_RES
261 <222> LOCATION: (7)..(7)
262 <223> OTHER INFORMATION: PHOSPHORYLATION; tyrosine at position 7 is phosphorylated
265 <400> SEQUENCE: 13
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268 1 5 10 15
271 <210> SEQ ID NO: 14
272 <211> LENGTH: 14
273 <212> TYPE: PRT
274 <213> ORGANISM: Homo sapiens
276 <220> FEATURE:
277 <221> NAME/KEY: MISC_FEATURE
278 <222> LOCATION: (8)..(8)
279 <223> OTHER INFORMATION: Xaa at position 8 is phosphoserine or phosphothreonine
282 <220> FEATURE:
283 <221> NAME/KEY: MISC_FEATURE
284 <222> LOCATION: (11)..(11)
285 <223> OTHER INFORMATION: Xaa at position 11 is arginine or lysine
288 <220> FEATURE:
289 <221> NAME/KEY: MISC_FEATURE
290 <222> LOCATION: (1)..(14) or
291 <223> OTHER INFORMATION: Xaa at positions 1-5, 7, 10, and 12-14 = any one of the 20
amino acids except cysteine
295 <400> SEQUENCE: 14
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298 1 5 10
301 <210> SEQ ID NO: 15
302 <211> LENGTH: 14

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303 <212> TYPE: PRT
 304 <213> ORGANISM: Homo sapiens
 306 <220> FEATURE:
 307 <221> NAME/KEY: MOD_RES
 308 <222> LOCATION: (8)..(8)
 309 <223> OTHER INFORMATION: PHOSPHORYLATION; serine at position 8 is phosphorylated
 312 <220> FEATURE:
 313 <221> NAME/KEY: MISC_FEATURE
 314 <222> LOCATION: (1)..(14)
 315 <223> OTHER INFORMATION: Xaa at positions 1-4, 7, 9, and 11-14 = any one of the 20
 amino acids except cysteine
 316 <400> SEQUENCE: 15
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 322 1 5 10
 325 <210> SEQ ID NO: 16
 326 <211> LENGTH: 14
 327 <212> TYPE: PRT
 328 <213> ORGANISM: Homo sapiens
 330 <220> FEATURE:
 331 <221> NAME/KEY: MISC_FEATURE
 332 <222> LOCATION: (1)..(14)
 333 <223> OTHER INFORMATION: Xaa at positions 1-4, 7, 9, and 11-14 = any one of the 20
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 334 <400> SEQUENCE: 16
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 340 1 5 10
 343 <210> SEQ ID NO: 17
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 345 <212> TYPE: PRT
 346 <213> ORGANISM: Homo sapiens
 348 <220> FEATURE:
 349 <221> NAME/KEY: MISC_FEATURE
 350 <222> LOCATION: (8)..(8)
 351 <223> OTHER INFORMATION: Xaa at position 8 is phosphoserine or phosphothreonine
 354 <220> FEATURE:
 355 <221> NAME/KEY: MISC_FEATURE
 356 <222> LOCATION: (1)..(14)
 357 <223> OTHER INFORMATION: Xaa at positions 1-5, 7, and 10-14 = any one of the 20 amino
 acid acids except cysteine
 358 <400> SEQUENCE: 17
 W--> 363 Xaa Xaa Xaa Xaa Xaa Pro Xaa Xaa Pro Xaa Xaa Xaa Xaa
 364 1 5 10
 367 <210> SEQ ID NO: 18
 368 <211> LENGTH: 14
 369 <212> TYPE: PRT
 370 <213> ORGANISM: Homo sapiens
 372 <220> FEATURE:
 373 <221> NAME/KEY: MISC_FEATURE
 374 <222> LOCATION: (8)..(8)

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/535,364

DATE: 10/04/2001
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Input Set : A:\PTO_VSK.txt
Output Set: N:\CRF3\10042001\I535364.raw

L:297 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:321 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:417 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:597 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:645 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:669 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:699 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:774 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41
L:930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L:1006 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1036 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47